**Set Up JDBC Environment**

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>JDBC Setup</title>

</head>

<body>

<a href="init">Initialize JDBC</a><br>

</body>

</html>

package com.ecommerce;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

public class DBConnection {

private Connection connection;

public DBConnection(String dbURL, String user, String pwd) throws ClassNotFoundException, SQLException{

Class.forName("com.mysql.jdbc.Driver");

this.connection = DriverManager.getConnection(dbURL, user, pwd);

}

public Connection getConnection(){

return this.connection;

}

public void closeConnection() throws SQLException {

if (this.connection != null)

this.connection.close();

}

}

import java.io.IOException;

import java.io.InputStream;

import java.io.PrintWriter;

import java.math.BigDecimal;

import java.sql.CallableStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Properties;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.ecommerce.DBConnection;

/\*\*

\* Servlet implementation class DemoJDBC

\*/

@WebServlet("/DemoJDBC")

public class DemoJDBC extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public DemoJDBC() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

\* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

try {

PrintWriter out = response.getWriter();

out.println("<html><body>");

InputStream in = getServletContext().getResourceAsStream("/WEB-INF/config.properties");

Properties props = new Properties();

props.load(in);

DBConnection conn = new DBConnection(props.getProperty("url"), props.getProperty("userid"), props.getProperty("password"));

out.println("DB Connection initialized.<br>");

conn.closeConnection();

out.println("DB Connection closed.<br>");

out.println("</body></html>");

conn.closeConnection();

} catch (ClassNotFoundException e) {

e.printStackTrace();

} catch (SQLException e) {

e.printStackTrace();

}

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

doGet(request, response);

}

}

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd" id="WebApp\_ID" version="4.0">

<display-name>JDBCSetup</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.htm</welcome-file>

<welcome-file>default.jsp</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>DemoJDBC</servlet-name>

<servlet-class>DemoJDBC</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>DemoJDBC</servlet-name>

<url-pattern>/init</url-pattern>

</servlet-mapping>

</web-app>